

Patent Abstracts of Japan

PUBLICATION NUMBER : 56038729
PUBLICATION DATE : 14-04-81

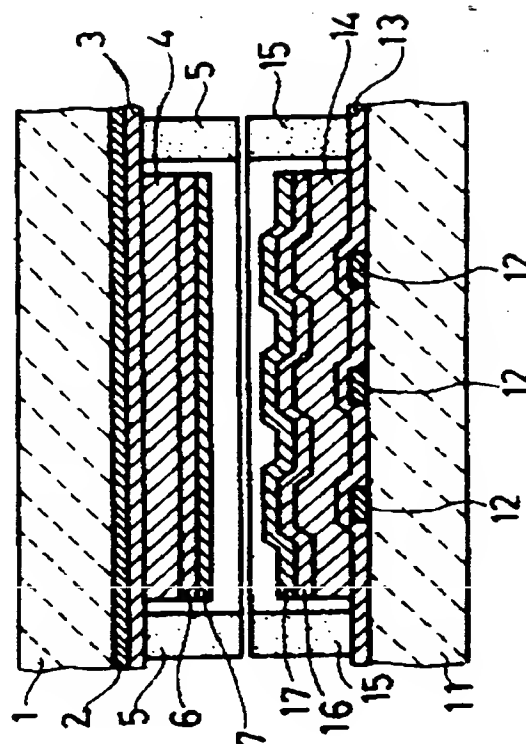
APPLICATION DATE : 18-08-79
APPLICATION NUMBER : 54105654

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INT.CL. : H01J 9/00 // H01J 11/02

TITLE : MANUFACTURE OF GAS DISCHARGE
PANEL



ABSTRACT : PURPOSE: To obtain stable performance characteristics of a panel and promote an extension of its life, by forming surface layers made of MgO on dielectric layers in a vapor deposition device where oxygen gas is introduced.

CONSTITUTION: Fully on surfaces of glass base boards 1, 11 on which an X-electrode 2 and Y-electrode 12 are formed, thin dielectric layers 3 and 13 are formed, and further on their top surfaces the second dielectric layers 4 and 14 are formed. Then seal material layers 5 and 15 are formed, and evaporated films (topmost dielectric layers) 6 and 16 are deposited. Successively on their clean top surfaces, surface layers 7 and 17 made of MgO are formed. A forming work of the surface layers 7 and 17 is performed by evaporating the MgO in a vapor-deposition device where oxygen gas is introduced.

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